BRUHATH BANGALURU MAHANAGARA PALIKE
YELAHANKA ZONE

Name of the work : Maintenance and Repairs to the Yelahanka old town lake Pathway Lightings & speakers in ward no 01&7.

Budget Head .....

Division No..... Estimate No..... For Rs. **700000.00**

Sl No	SR Page	Description	Unit	Qty	Rate	Amount
1	1	Licenced electrician wiremen fitter with tools (Skilled) Rs.13365/Person/Month. Rs.13365*12=1,60,380/Person/Year. KAE71LWA 2015 Dated 04-08-2016	Per Person	12	13365.00	160380.00
2	2	a).Helper (Electrical) (Semi-Skilled) Rs.11011/Person/Month. Rs.11011*12=132132/Person/Year. KAE71LWA 2015 Dated 04-08-2016	Per Person	12	11011.00	132132.00
3	101/15.5.3	Supply, installation, testing and commissioning of compact Wall mount speaker with power handling up to 40Watt RMS 0/100volt@ 1456 ohms single channel. selectable taping Specs: Power handling : 15 to 30 watt Frequency response : 80 Hz t0 18khz Spl:	No	10	6890.00	68900.00
4	101/15.7.2	Supply, installation, testing and commissioning of 12Channel 12mic/line 2-4 Stereo input mixer with built in 3 to 4 band semi parametric eq 2 bus or 4 bus and 2 to 4 aux outs 2 stereo return. Specs: frequency response of 20 htz to 20 kHz with THD o	No	1	22400.00	22400.00
5	55/7.4.4	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm	Mtrs	200	140.40	28080.00
6	61/7.8.1	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.6 sqmm to 16 sqmm	Mtrs	200	10.80	2160.00
7	61/7.9.1	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Mtrs	150	78.00	11700.00
8	16.26	Supplying and fixing/replacement of Ignitor suitable for 70 to 400Watts SV/MH fittings.	No	15	523.00	7845.00
9	10516.17.1	Supplying and fixing of HPMH lamps on existing fitting mounted on tubular pole Single end 70 to150Watts	No	15	912.00	13680.00
10	10516.14.2	Supply and fixing of ...Watts heavy duty open construction ferromagnetic copper ballast for HPSV/HPMH lamps.150Watts	No	15	1784.00	26760.00

11	45/6.12.4	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100-125Amps	No	3	9915.00	29745.00
12	45/6.13.A.1	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE100Amps 25kA.	No	3	4044.00	12132.00
13	47/6.16.1	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32Amps SP	No	9	418.00	3762.00
14	47/6.16.6	40-63Amps TPN	No	3	1936.00	5808.00
15	2.6.2	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP - B.1.5 sqmm	Mtrs	140	15.90	2226.00
16	2.6.4	4 sqmm	Mtrs	94	36.30	3412.20
17	27/4.36.1	LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs. 50000 hr. @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools.LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI 75+. housing with supplier word mark / name shall be engraved / Embossing on the die cast housing / body part. . Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacturer. Suitable for A1/A2 Roads as per IS 1944 Part I & Part II. 90 Watts	Nos	5	31250.00	156250.00

18	9 32 / 9	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and waqshers etc.. Group A, PWD Elec SR 2006-07.	Nos	3	4200.00	12600.00
		Mislenious				27.80
		TOTAL				**700000.00**

CERTIFICATE

1. The Place was inspected and work is essential.
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD (Elec) SR of 2014-15 .

Jr/Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
yelhanka zone
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
Y ELHANKA ZONE
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 7.00 Lakhs
RUPEES SEVEN LAKH ONLY
is accorded under P0303 M. and R TO PUMPSETS, Lifts, D.G SETS WIRE-LESS SETS AND INTERNAL TELEPHONE
Registered as EE No. ..... Subject to conditions contained in enclosed memo
No. BBMP/EE/ELE/Y2/AS/19/2018-19
Dt 25-09-2018

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 7.00 LAKHS
Rupees SEVEN LAKH ONLY
Under P0303 M and R TO PUMPSETS Lifts. D.G SETS WIRE LESS SETS
Registered as EE ( ) No. 9 9
Subject to conditions contained in enclosed memo EE ( ) No. BBMP/EE/ELE/Y2/AS/19
Dt. 25-09-2018 Estimate A/ Sanctioned
BBMP/EE/ELE/Y2/TS/19/2018-19
Dated 25-09-2018 Rs. 7.00 Lakhs

Executive Engineer